

Quiz 10

COMP9021 Principles of Programming

2017 session 2

Sample outputs (revised)

```
$ python3 quiz_10.py
Enter 2 nonnegative integers , the second one no greater than 100: 0 3
The heap that has been generated is:
[None, 27, 12, 24]
The preferred ordering of data to generate this heap by successive insertion is:
[12, 24, 27]
$ python3 quiz_10.py
Enter 2 nonnegative integers , the second one no greater than 100: 0 5
The heap that has been generated is:
[None, 48, 24, 26, 2, 16]
The preferred ordering of data to generate this heap by successive insertion is:
[2, 26, 48, 16, 24]
$ python3 quiz_10.py
Enter 2 nonnegative integers , the second one no greater than 100: 0 7
The heap that has been generated is:
[None, 65, 53, 62, 33, 49, 5, 51]
The preferred ordering of data to generate this heap by successive insertion is:
[33, 49, 5, 53, 62, 51, 65]
$ python3 quiz_10.py
Enter 2 nonnegative integers , the second one no greater than 100: 0 10
The heap that has been generated is:
[None, 97, 61, 65, 49, 51, 53, 62, 5, 38, 33]
The preferred ordering of data to generate this heap by successive insertion is:
[5, 53, 62, 33, 38, 65, 97, 49, 51, 61]
$ python3 quiz_10.py
Enter 2 nonnegative integers , the second one no greater than 100: 0 15
The heap that has been generated is:
[None, 149, 130, 129, 107, 122, 124, 103, 66, 77, 91, 98, 10, 55, 35, 72]
The preferred ordering of data to generate this heap by successive insertion is:
[66, 91, 10, 107, 122, 35, 55, 77, 130, 98, 149, 124, 129, 72, 103]
```